www.epa.gov/enviroatlas

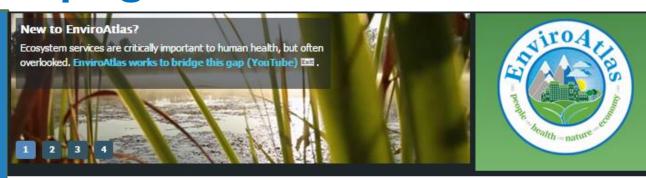
Free

Online

No GIS skills required

Consistent data

Researchbased



EnviroAtlas provides interactive tools and resources for exploring the benefits people receive from nature or "ecosystem goods and services". Ecosystem goods and services are critically important to human health and well-being, but they are often overlooked due to lack of information. Using EnviroAtlas, many types of users can access, view, and analyze diverse information to better understand the potential impacts of various decisions.



New to EnviroAtlas? Start with these resources.

- Ecosystem Services in EnviroAtlas
 These benefits underpin almost every aspect of human well-being, including our food and water, security, health, and economy.
- How to Use EnviroAtlas
 Demo videos and training documents, including examples of how these tools can be applied in a variety of ways.
- EnviroAtlas Data
 Overview of EnviroAtlas data organization, spatial extents, & how to access.



The Interactive Map and Eco-Health Relationship Browser are the flagship EnviroAtlas applications.

- EnviroAtlas Interactive Map
 A multi-extent Interactive Map with
 broad scale data for the lower 48
 states and fine scale data for selected
 communities.
- Relationship Browser

 An easy-to-use relational browser showing the linkages between ecosystems, the services they provide, and human health.

EnviroAtlas Eco-Health

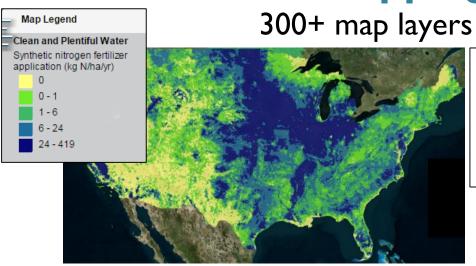


Already familiar with EnviroAtlas and GIS analysis? Explore these resources.

- EnviroAtlas Tools
 Access several downloadable GIS toolboxes and ArcMap extensions that work with user-supplied data.
- EnviroAtlas Data Download
 EnviroAtlas National and Community data are made freely available for download.
- Resources for EnviroAtlas Collaborators
 Information and document templates to guide the development of data, metadata, widgets, tools and fact

sheets.

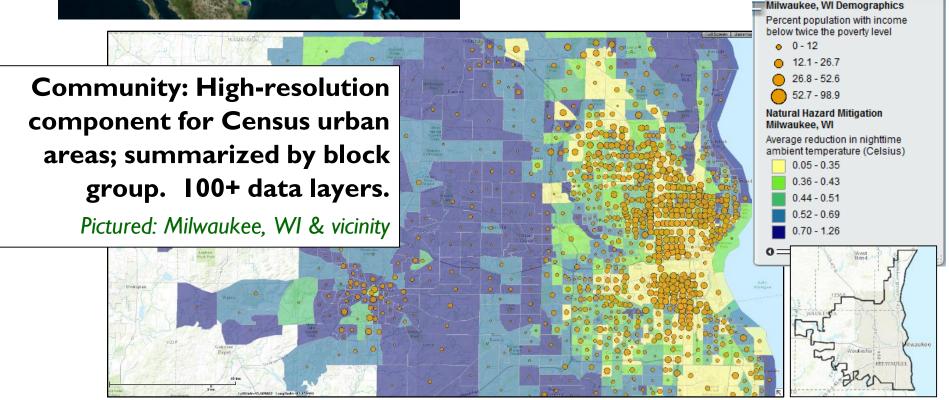
Interactive Mapping & Screening Tool



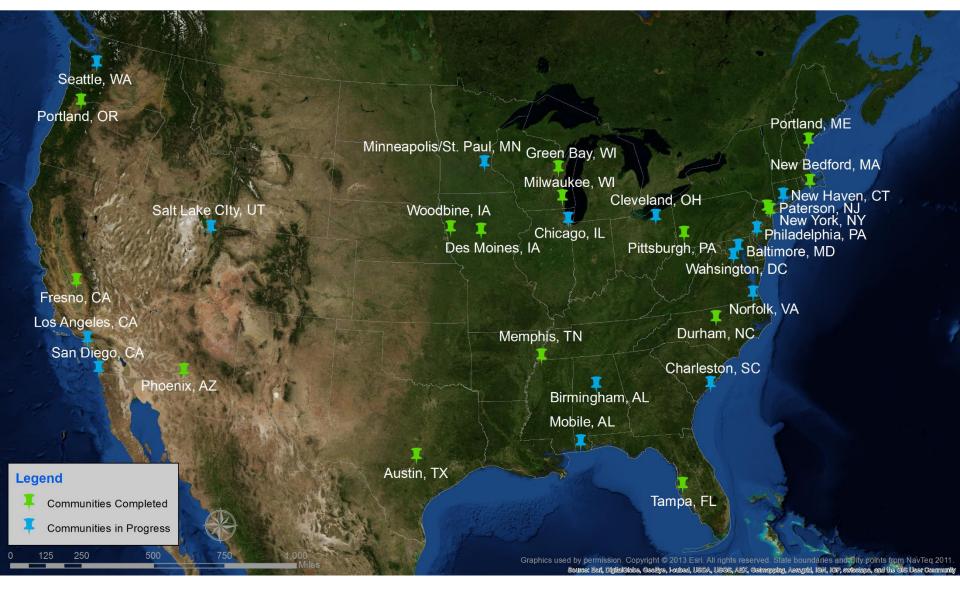
300+ map layers available online

National: Wall-to-wall coverage for contiguous US; summarized by ~90,000 drainage basins (12-digit HUCs). 160+ data layers

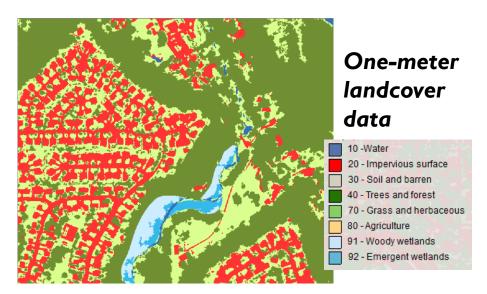
Map Legend

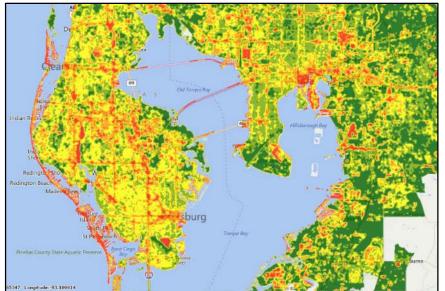


Comparable Block-Group & Finer-Scale Data for Urban & Suburban Areas across the U.S.

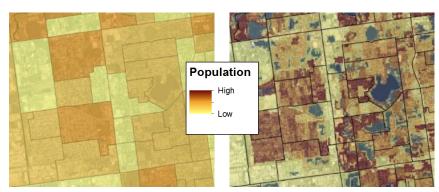


Spatially-explicit maps also available





Green-to-impervious "heat" maps



Downscaled (30-meter) U.S. Census population grid

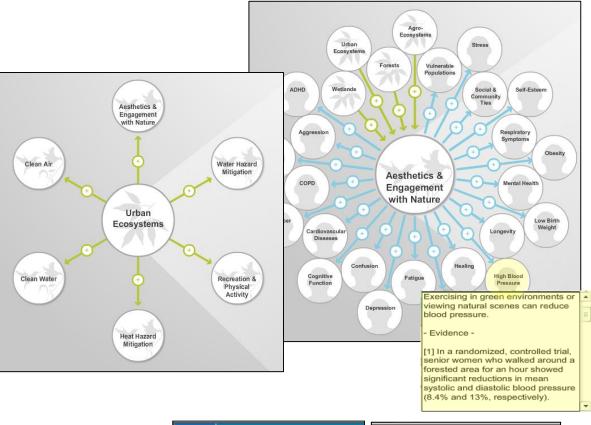


Precise maps of tree cover along local roads & streams

Also: Analysis Tools, Guides & Data Documentation



- Mapping and analysis tools
- User added data
- Downloadable GIS toolboxes
- Eco-Health Relationship Browser
- Jobs, transportation, built environment maps
- Use cases & guides for classroom and HIAs
- Interpretive fact sheets for every data layer





Implications for Urban Pop. Health

Unrealized Assets = Unintended Consequences

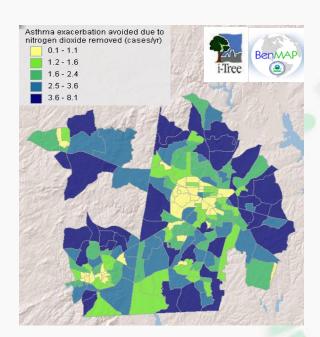
Approach Demonstrate multiple benefits of environmental infrastructure:

- Clean air
- Clean & plentiful water
- Natural hazard mitigation
- Climate stabilization
- Recreation, culture & aesthetics
- Food, fiber & materials
- Biodiversity conservation

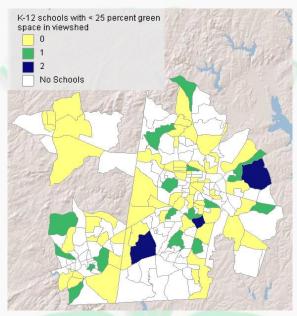
... and how they relate to human health & well-being:

- Air and water pollutants removed by neighborhood tree cover
- Homes and schools near busy roadways
- > Extreme heat events
- > Opportunities for physical exercise, social engagement, outdoor experience, and play
- Distributions of vulnerable populations

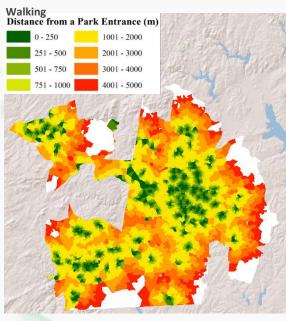
Community Information to Assist Decision-Making e.g., health interventions, public infrastructure, social equity



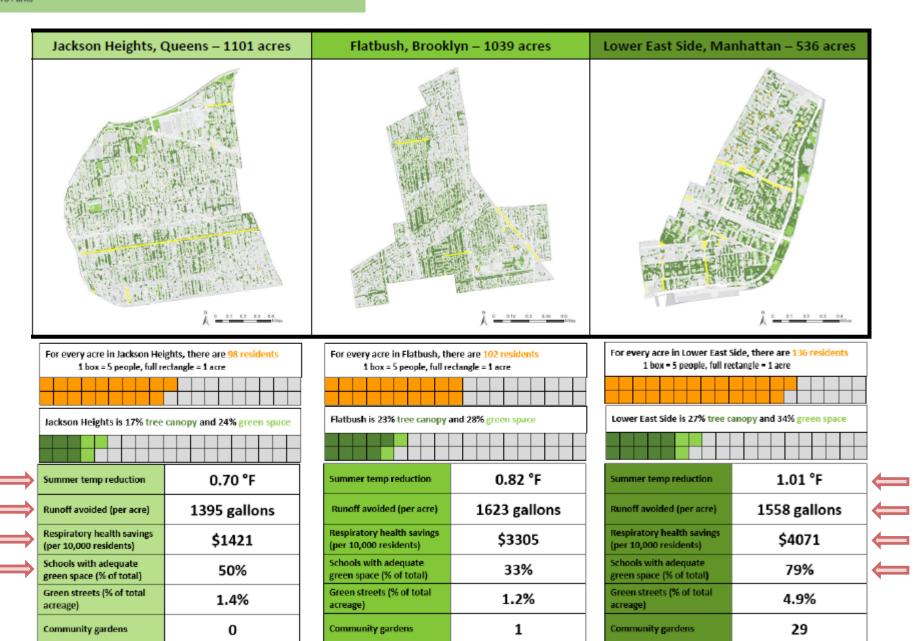
Estimated reductions in adverse respiratory health events due to ambient air filtration by trees



Potential to improve school performance through cognitive restoration & stress reduction



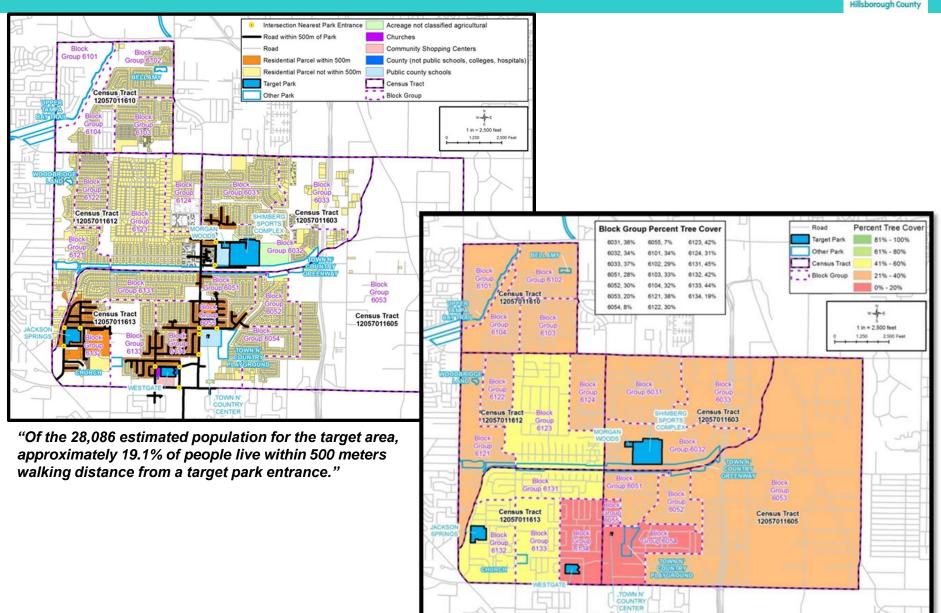
Opportunities for physical activity, engagement with nature, & social interaction



HIA:

Should the County Permit Local Businesses/Orgs. to Offer Exercise Classes in Public Parks?





Thank you!



























